FIELD SHEET, INFRARED

For use of this form, see FM 3-34.331; the proponent agency is TRADOC.

PROJECT		
ORGANIZATION	DATE *(YYYYMMDD)*	APPROXIMATE DISTANCE

ZERO CORRECTION*	CALIBRATION DATE *(YYYYMMDD)*	OBSERVER	RECORDER

INSTRUMENT STATION	H.I.	ELEVATION	ELEVATION INSTRUMENT	ECCENTRICITY* TOWARD: AWAY:	INST. NO.
REFLECTOR STATION	H.T.	ELEVATION	ELEVATION REFLECTOR	ECCENTRICITY* TOWARD: AWAY:	PRISM. NO.

METEOROLOGICAL READINGS					ZD INSTRUMENT TO REFLECTOR	

	TIME	PRESSURE (Hg) IN. MM.	TEMP. (DRY) F ° C°		**DISTANCE** *(Meters)*	
INSTRUMENT				1		
REFLECTOR				2		
SUM				3		
MEAN				4		
CORRECTION FACTOR (PPM)				5		
				6		
$PRODUCT = UD \times PPM$				7		
$RC = PRODUCT_X\, 10^{-6}$				8		
$T = UD \pm Z \pm RC$				9		
$H' = (T)^2 - (d)^2$				10		
$H' = SIN\ ZD \times T$ $H_{Ft} = H' \times 3.280840$				SUM		

UD		MEAN UNCORRECTED SLOPE DISTANCE (UD)	
PPM		ZERO CORRECTION° (Z)	
PRODUCT		REFRACTIVE INDEX CORRECTION (RC)	
RC		CORRECTED SLOPE DISTANCE (T)	
DIFF. OF ELEV. (d)		UNCORRECTED HORIZON DISTANCE (H')	
° Obtained from Instrument Calibration. *Toward Eccentricity must be ADDED. Away Eccentricity must be SUBTRACTED.		ECCENTRIC CORRECTION* (EC)	
		HORIZON DISTANCE $(H_m) / (H_{Ft})$	

REMARKS

COMPUTED BY	DATE *(YYYYMMDD)*
CHECKED BY	DATE *(YYYYMMDD)*

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